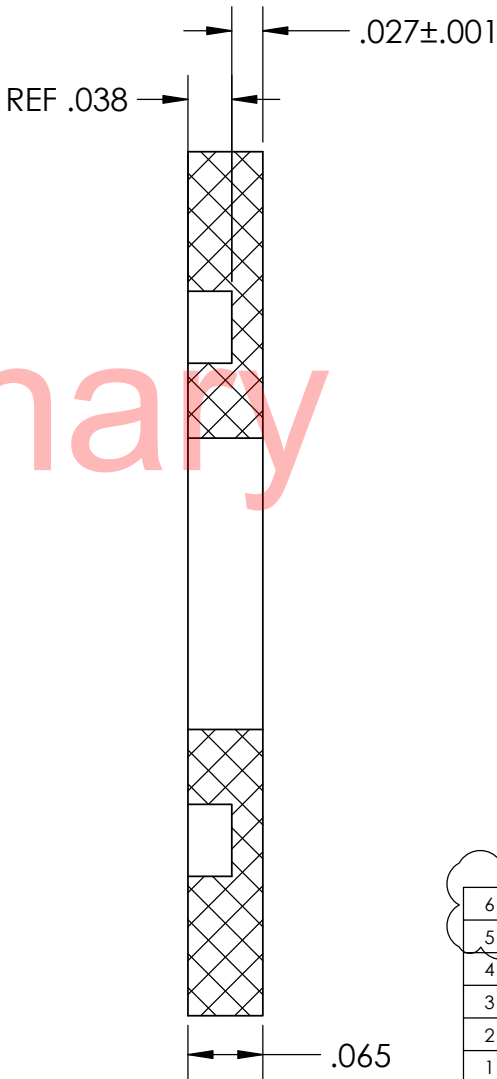
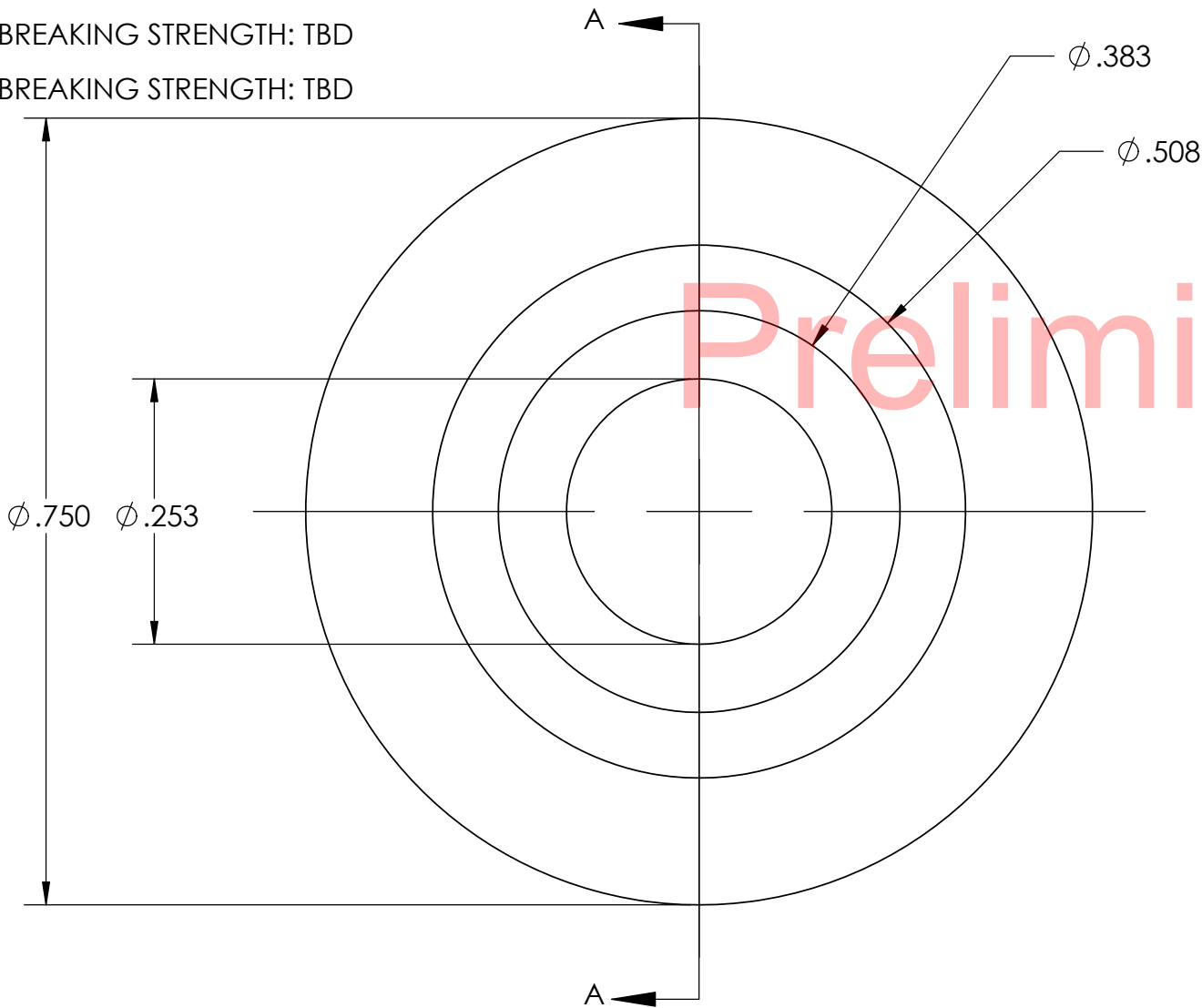


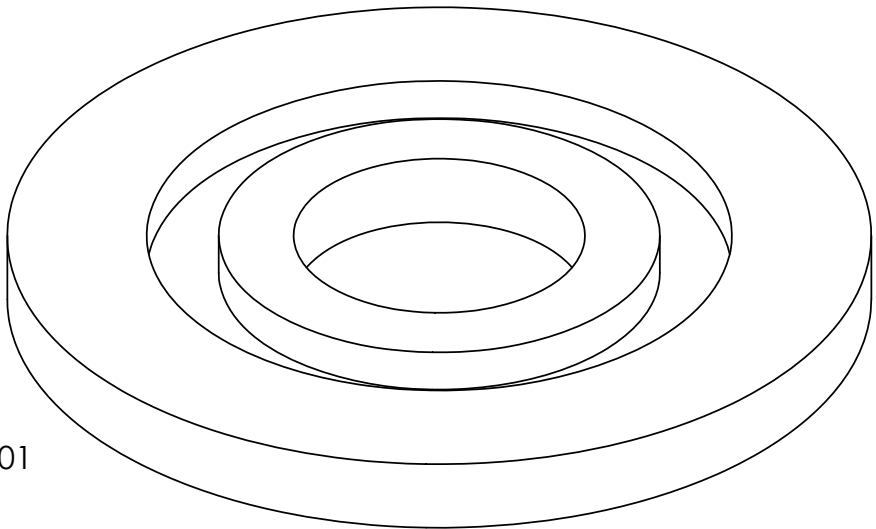
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NOTES:

1. MATERIAL: POM-C BAR STOCK, ASTM D6778POM 0211 (BLACK)
2. MATERIAL: POM-C BAR STOCK, ASTM D6778POM 0211 (WHITE)
3. INSPECT IAW DA169-05 FRANGIBLE WASHER TEST PLAN. AQL SAMPLE SIZE TO BE DEFINED BY QUALITY. BREAK STRENGTH AVERAGE TO BE WITHIN 5% OF NOMINAL
4. NOMINAL BREAKING STRENGTH: 92.0 LBF
5. NOMINAL BREAKING STRENGTH: TBD
6. NOMINAL BREAKING STRENGTH: TBD
7. NOMINAL BREAKING STRENGTH: TBD



SECTION A-A



1 654.4010

PROTOTYPE REVISIONS							
ZONE	REV.	DESCRIPTION	DATE	APPROVED	EFFECTIVITY	REASON CODE	REVISOR
-	PR1	INITIAL PROTOTYPE RELEASE	02-28-20	J. GARDINER	-	-	R. TAKAHASHI
ALL	PR2	ALL WASHERS CHANGED	07-08-21	P. BRAVO			T. CROSS
S1:A1 S1:D7 S5 S6	PR3	UPDATED NOTES UPDATED BOM ADDED .4015, .4016	11-09-21	P. BRAVO	CURRENT ORDER	MDI	NICK R.

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
		MM-DD-YY	J. GARDINER

6	654.4016	WASHER .535 X .049 GROOVE		
5	654.4015	WASHER .530 X .053 GROOVE	1	4
4	654.4013	OCTA WASHER DIA .466	2	3
3	654.4012	OCTA WASHER DIA .461	2	6
2	654.4011	OCTA WASHER DIA .456	2	5
1	654.4010	WASHER .508 X .038 GROOVE	1	4
F/N	PART #	DESCRIPTION	MAT'L	SPEC.
QTY		PARTS LIST		
NEXT ASSY (S)		ORIGINAL DATE (MO-DA-YR) 21.08.10	<div><div>DART</div><div>AEROSPACE</div><div>APICAL INDUSTRIES, INC. dba DART AEROSPACE</div></div> <div>3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300</div>	
652.9300		DRAWN BY CM		
652.9200		CHECKER T. CROSS		
		DRAWING APPROVAL P. BRAVO 21.11.09	AW189 FRANGIBLE WASHER	
		CONTRACT No.		
		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ± .5°		
		SCALE NONE	SIZE B	REV. PR3
		CAGE CODE 07MZ6		DWG. NO. 654.4000
		SHEET 1 OF 6		

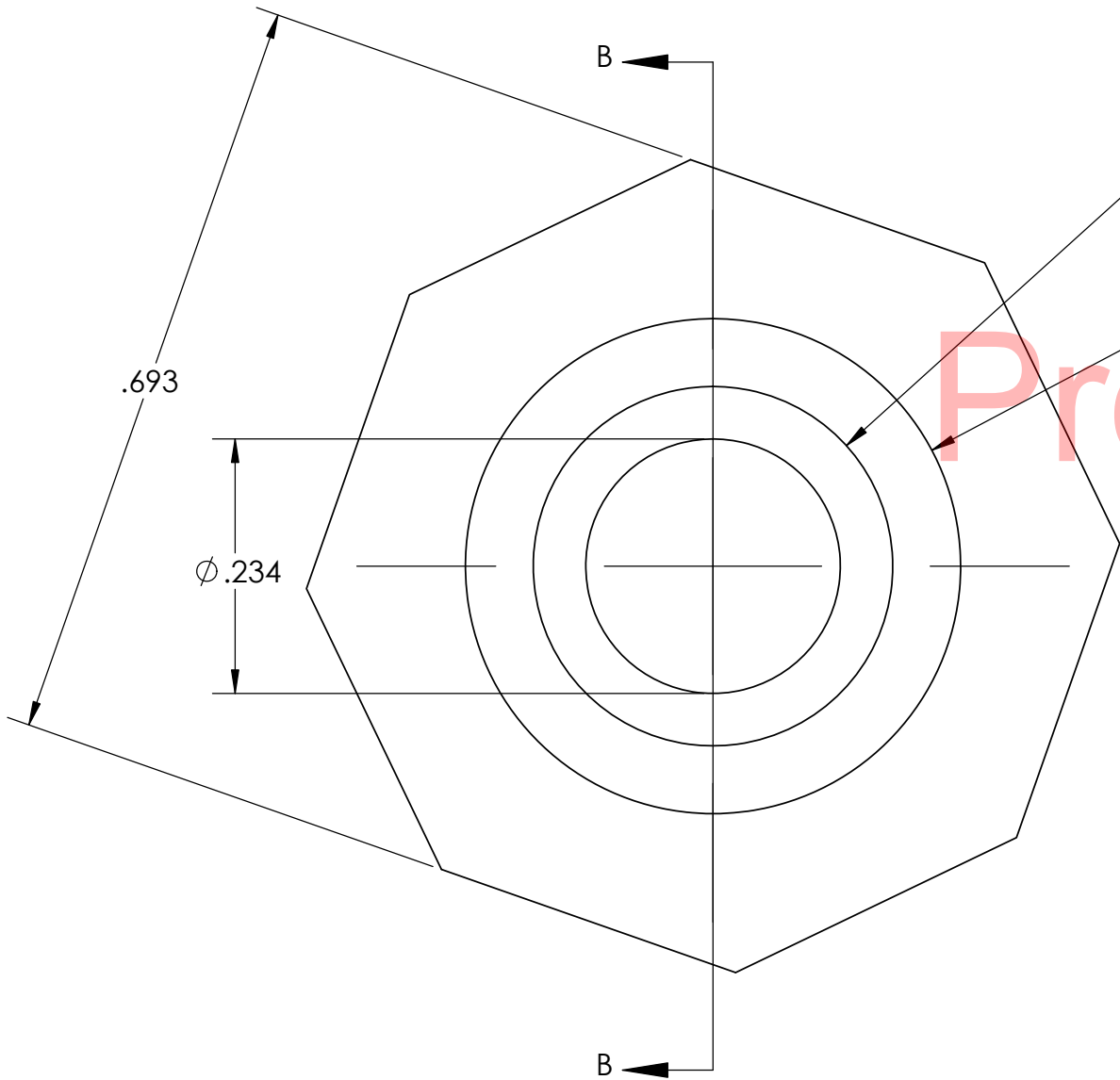
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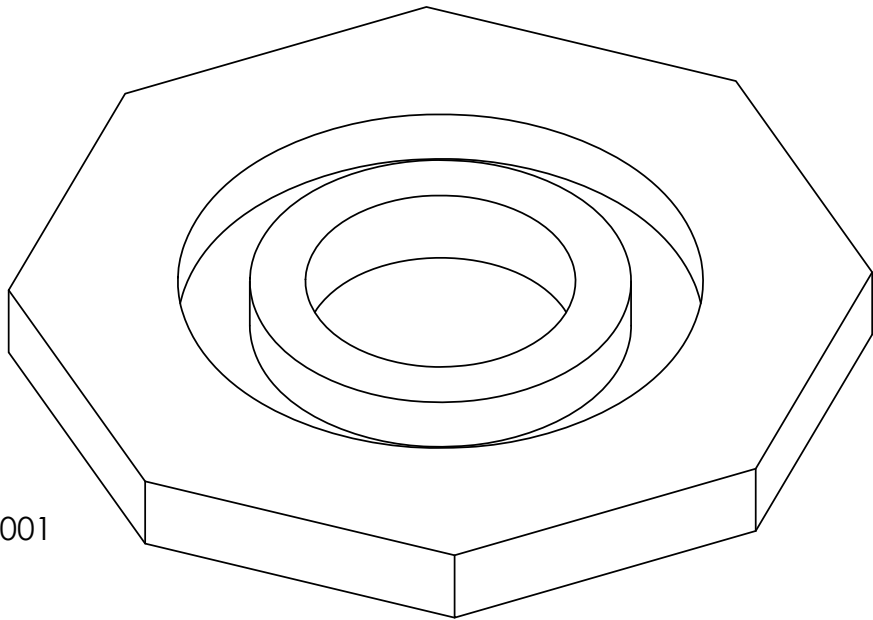


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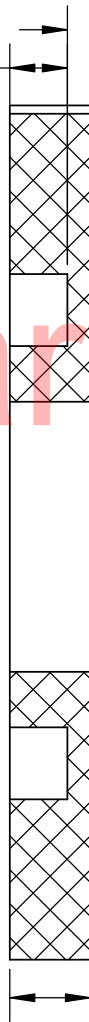
$\phi .456$

REF .050

$.020 \pm .001$



2 654.4011



.070

SECTION B-B

ORIGINAL DATE (MO-DA-YR)	21.08.10
DRAWN BY CM	CHECKER T. CROSS
DRAWING APPROVAL P. BRAVO 21.11.09	
CONTRACT No.	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
2 PLACE DECIMALS $\pm .01$
3 PLACE DECIMALS $\pm .005$
ANGLES $\pm .5^\circ$

DART
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dba DART AEROSPACE

3030 ENTERPRISE CT.,
SUITE A
VISTA, CA. 92081
(760)-724-5300

AW189 FRANGIBLE WASHER

SIZE B	CAGE CODE 07MZ6	DWG. NO. 654.4000	REV. PR3
SCALE	NONE	SHEET	2 OF 6

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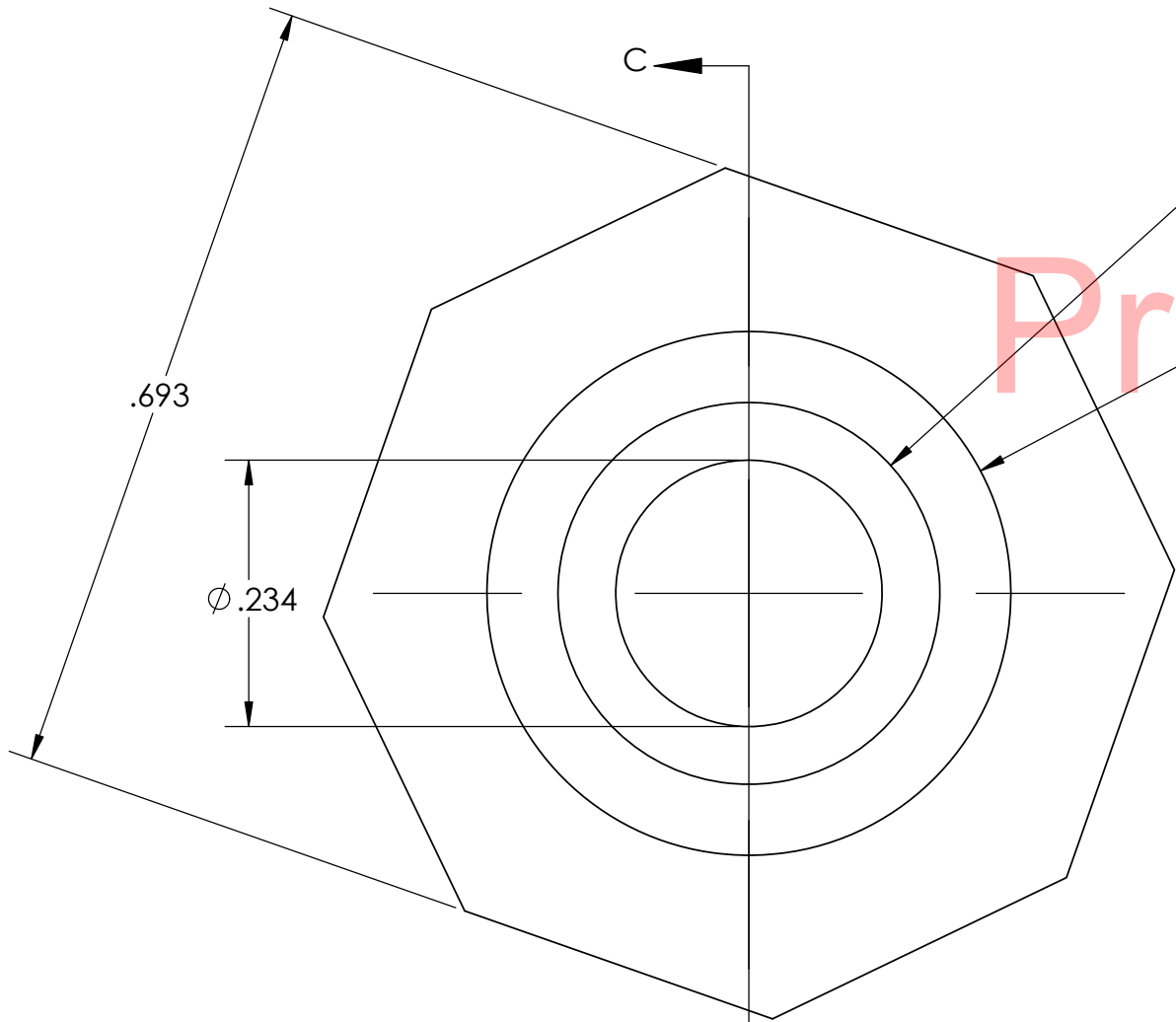
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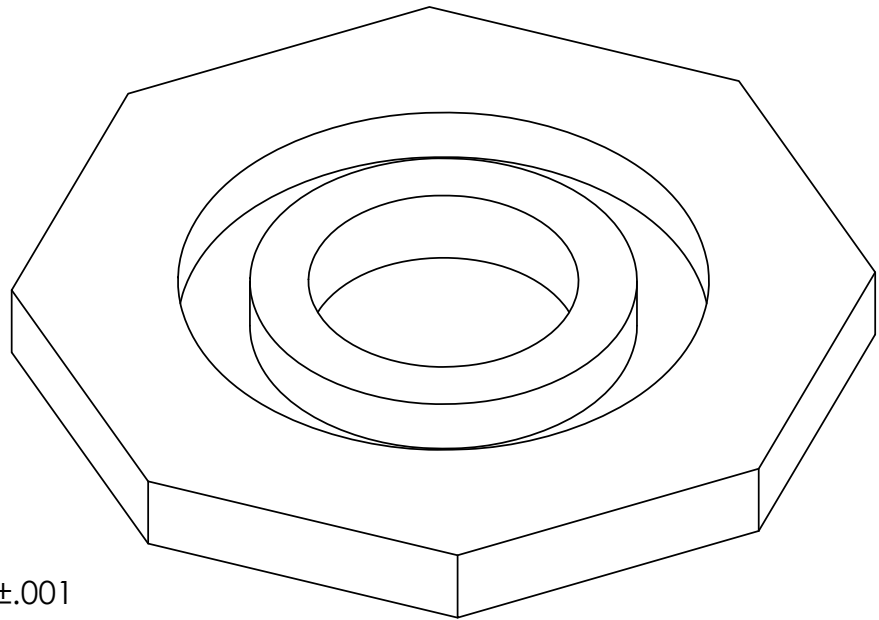
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1 2 3 4 5 6 7 8



$\phi .336$

$\phi .461$



3 654.4012

REF .050 .020±.001



.070

SECTION C-C

ORIGINAL DATE (MO-DA-YR)	21.08.10
DRAWN BY CM	CHECKER T. CROSS
DRAWING APPROVAL P. BRAVO 21.11.09	
CONTRACT No.	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
2 PLACE DECIMALS ±.01
3 PLACE DECIMALS ±.005
ANGLES ± .5°

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dba DART AEROSPACE

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SUITE A
VISTA, CA. 92081
(760)-724-5300

AW189 FRANGIBLE WASHER

SIZE B	CAGE CODE 07MZ6	DWG. NO. 654.4000	REV. PR3
SCALE	NONE	SHEET	3 OF 6

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REF .050

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654.4013

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SECTION D-D

ORIGINAL DATE (MO-DA-YR)	21.08.10
DRAWN BY CM	CHECKER T. CROSS
DRAWING APPROVAL P. BRAVO 21.11.09	
CONTRACT No.	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
2 PLACE DECIMALS \pm .01
3 PLACE DECIMALS \pm .005
ANGLES \pm .5°

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APICAL INDUSTRIES, INC. dba DART AEROSPACE		

AW189 FRANGIBLE WASHER

SIZE B	CAGE CODE 07MZ6	DWG. NO. 654.4000	REV. PR3
SCALE NONE			SHEET 4 OF 6

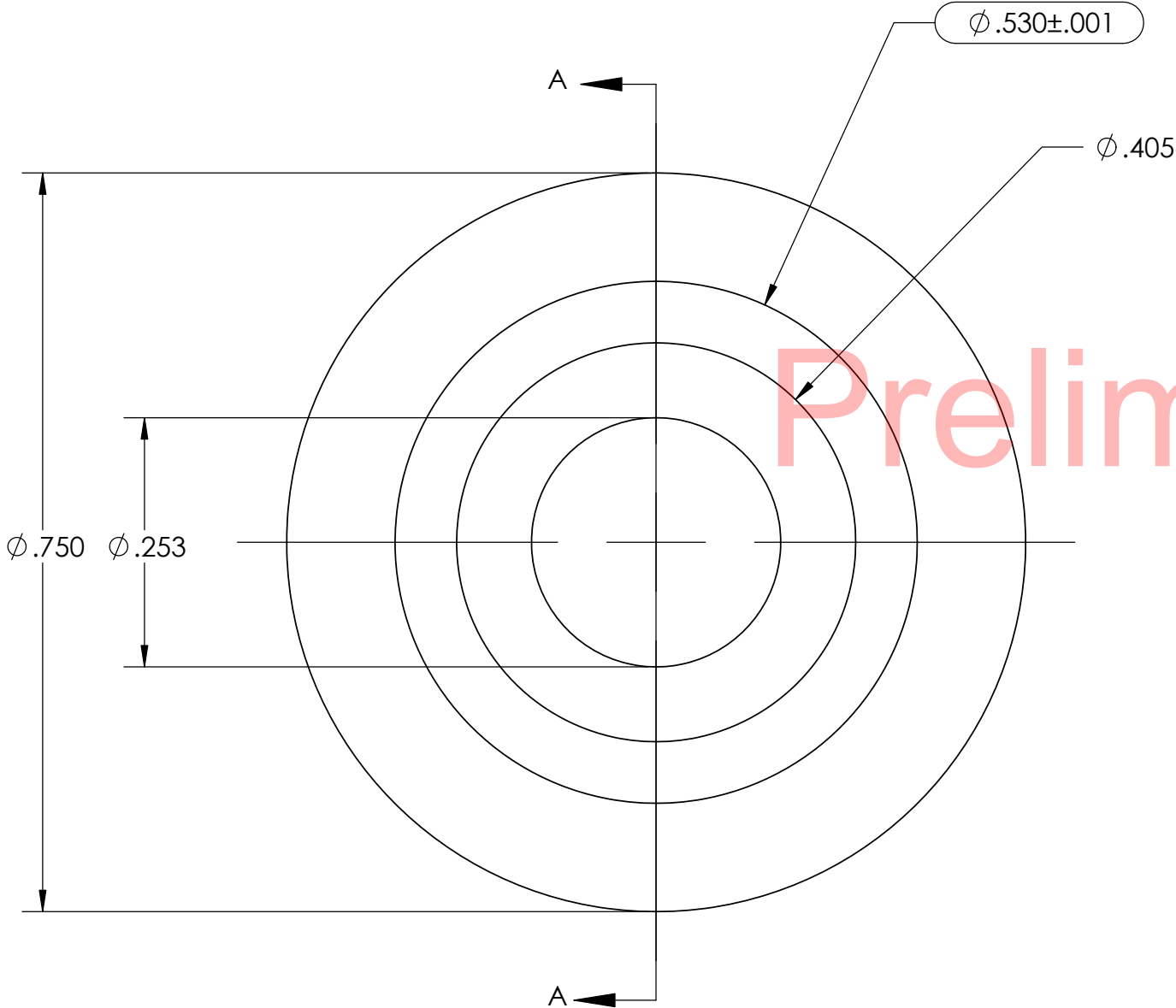
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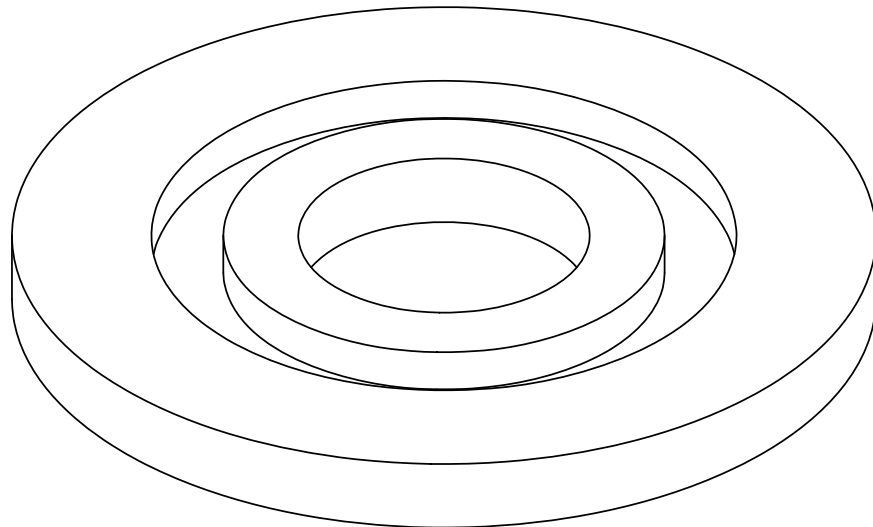
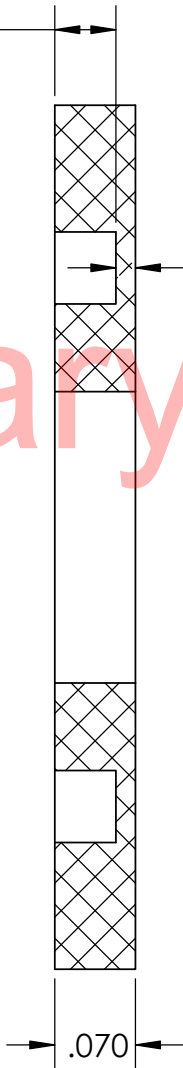
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(.053)

$.017 \pm .001$



5 654.4015

ORIGINAL DATE
(MO-DA-YR) 21.08.10
DRAWN BY
CM
CHECKER
T. CROSS
DRAWING APPROVAL
P. BRAVO
21.11.09
CONTRACT No.

DART
AEROSPACE
APICAL INDUSTRIES, INC.
dba DART AEROSPACE
3030 ENTERPRISE CT.,
SUITE A
VISTA, CA. 92081
(760)-724-5300

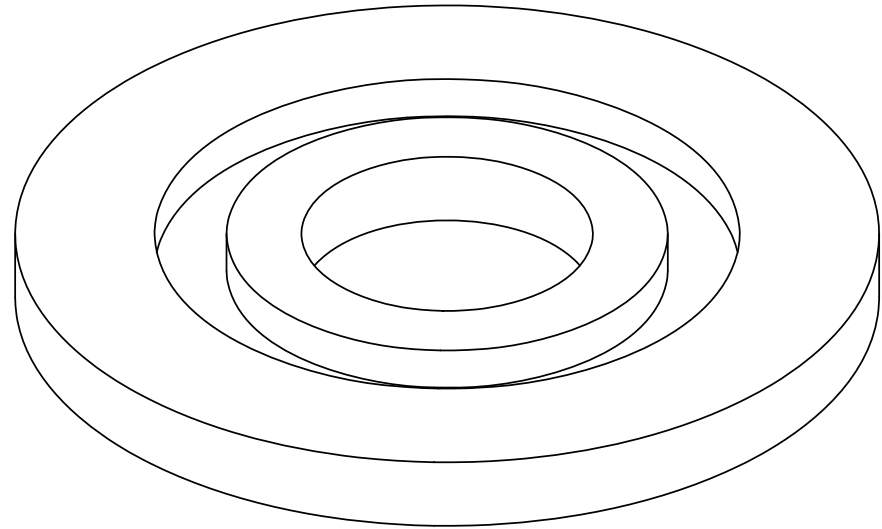
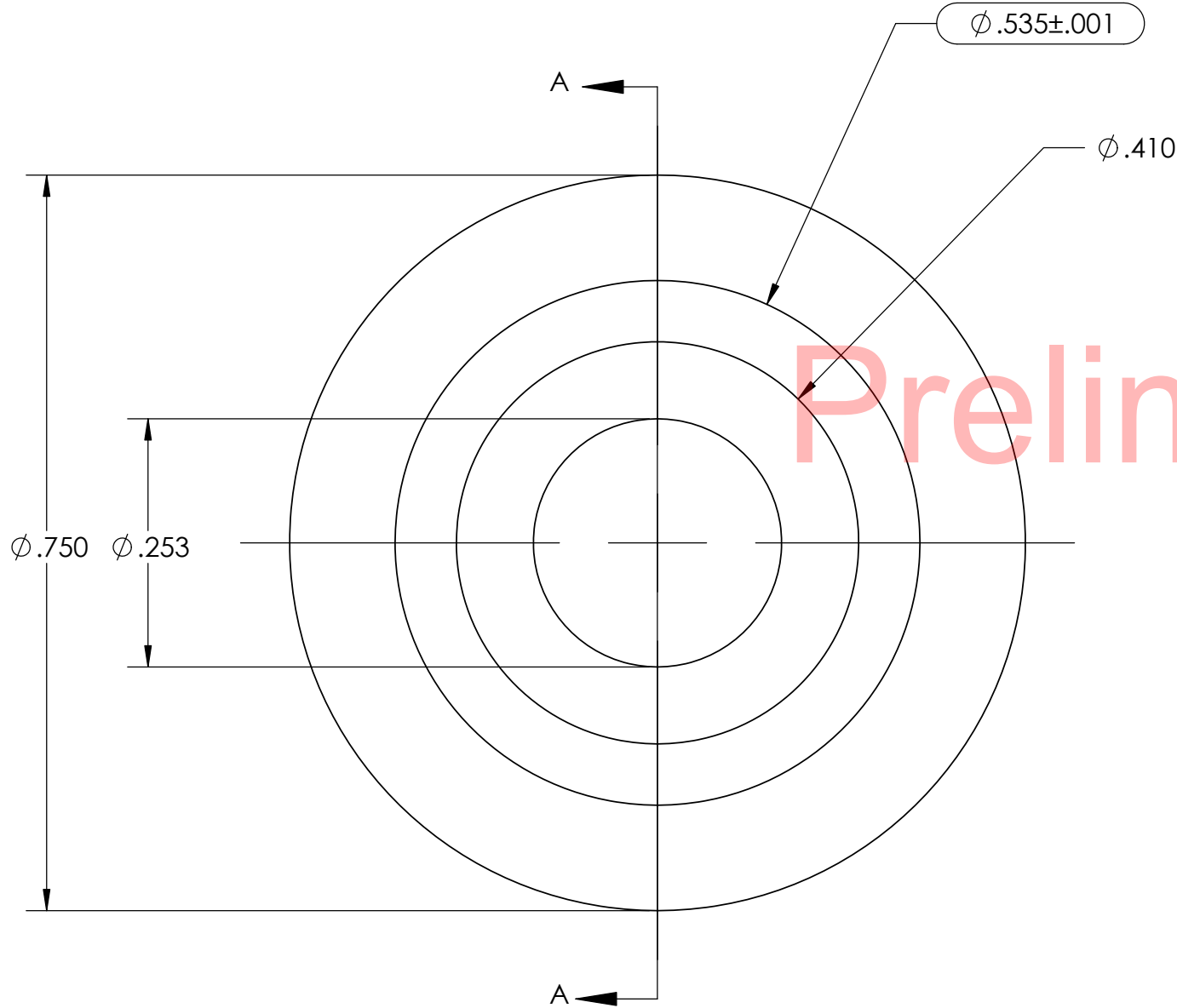
AW189 FRANGIBLE WASHER

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
2 PLACE DECIMALS $\pm .01$
3 PLACE DECIMALS $\pm .005$
ANGLES $\pm .5^\circ$

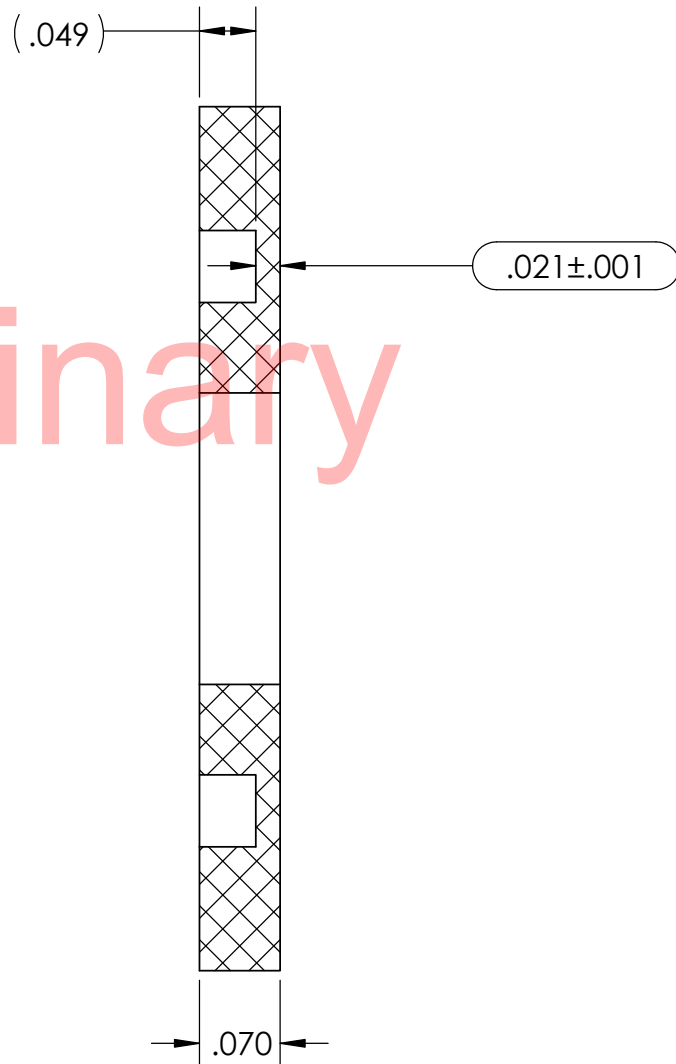
SIZE	CAGE CODE	DWG. NO.	REV.
B	07MZ6	654.4000	PR3
SCALE NONE			SHEET 5 OF 6

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A
B
C
D



6 654.4016



SECTION A-A

ORIGINAL DATE (MO-DA-YR) 21.08.10		DART AEROSPACE APICAL INDUSTRIES, INC. dba DART AEROSPACE		3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300	
DRAWN BY CM	CHECKER T. CROSS				
DRAWING APPROVAL P. BRAVO 21.11.09		CONTRACT No.		AW189 FRANGIBLE WASHER	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS $\pm .01$ 3 PLACE DECIMALS $\pm .005$ ANGLES $\pm .5^\circ$		SIZE B	CAGE CODE 07MZ6	DWG. NO. 654.4000	REV. PR3
		SCALE NONE		SHEET 6 OF 6	